# PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY	PCT
To:  GENERAL ELECTRIC COMPANY Attn. Winter, Catherine J. 3135 Easton Turnpike W3C Fairfield, CT 06828 UNITED STATES OF AMERICA  POCENIES	THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION
	(PCT Rule 44.1)
	Date of mailing (day/month/year) 02/06/2005
Applicant's or agent's file reference (08CL) 138961	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US2004/038667	International filing date (day/month/year) 18/11/2004
Applicant GENERAL ELECTRIC COMPANY	Action Due 6.17.05
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claim When? The time limit for filing such amendments is non international Search Report; however, for more Where? Directly to the International Bureau of WIPO, 34 1211 Geneva 20, Switzerland, Fa For more detailed instructions, see the notes on the acco  2. The applicant is hereby notified that no international search Article 17(2)(a) to that effect and the written opinion of the In  With regard to the protest against payment of (an) addition the protest together with the decision thereon has been	as of the International Application (see Rule 46): mally 2 months from the date of transmittal of the details, see the notes on the accompanying sheet. chemin des Colombettes iscimile No.: (41–22) 740.14.35 mpanying sheet.  report will be established and that the declaration under iternational Searching Authority are transmitted herewith. mal fee(s) under Rule 40.2, the applicant is notified that: in transmitted to the International Bureau together with the test and the decision thereon to the designated Offices. Islicant will be notified as soon as a decision is made.  In the international application will be published by the publication, a notice of withdrawal of the international ureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, and publication.  Written opinion of the International Searching Authority to the such comments to all designated Offices unless an istablished. These comments would also be made available to rity date.  The designated Offices, a demand for International preliminary entry into the national phase until 30 months from the priority within 20 months from the priority date, perform the prescribed ces.  In (or later) will apply even if no demand is filed within 19
Name and mailing address of the International Searching Authority  European Patent Office, P.B. 5818 Patentiaan 2  NL-2280 HV Rijswljk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Patrick Wach

Form PCT/ISA/220 (January 2004)

(See notes on accompanying sheet)

### **NOTES TO FORM PCT/ISA/220**

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

## INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

#### What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all perts of the international application may be amended under Article 28 or, where applicable, Article 41.

#### When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Fluie 46.1).

## Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been its filed, see below.

#### Ho⇔?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The emendments must be made in the language in which the international application is to be published.

#### What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the latter must be in French.

Notes to Form PCT/ISA/220 (first sheet) (January 1994)

# NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- (Where originally there were 15 claims and after amendment of all claims there are 11): "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
   "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or
   "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- [Where various kinds of amendments are made]:
   "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claims 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

#### "Stetoment under erticle 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

it must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

# Consequence if a domand for informational preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international pretiminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Pretiminary Examining Authority (see Rule 62.2(a), first sentence).

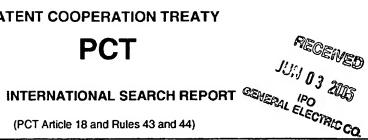
Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide

Notes to Form PCT/ISA/220 (second sheet) (January 1994)

# **PATENT COOPERATION TREATY**



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Applicant's or agent's file reference (08CL) 138961	FOR FURTHER ACTION as	see Form PCT/ISA/220 well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US2004/038667	18/11/2004	26/11/2003
Applicant	·	
GENERAL ELECTRIC COMPANY		
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Searching ansmitted to the International Bureau.	Authority and is transmitted to the applicant
This International Search Report consists		
X It is also accompanied by	a copy of each prior art document cited in	this report,
	international search was carried out on the less otherwise indicated under this Item.	e basis of the international application in the
The international this Authority (Ru		anslation of the international application furnished to
b. With regard to any nucleo	otide and/or amino acid sequence disclo	sed in the International application, see Box No. I.
2. Certain claims were fou	nd unsearchable (See Box II).	
3. Unity of invention is lac	king (see Box III).	
4. With regard to the title,		
X the text is approved as su	ibmitted by the applicant.	·
the text has been establis	thed by this Authority to read as follows:	
5. With regard to the abstract,		
X the text is approved as su	bmitted by the applicant.	
		thority as it appears in Box No. IV. The applicant search report, submit comments to this Authority.
6. With regard to the drawings,		
	oublished with the abstract is Figure No.	1
X as suggested by	-	
as selected by thi	is Authority, because the applicant falled to	suggest a figure.
as selected by thi	s Authority, because this figure better char	acterizes the invention.
b. none of the figures is to be	e published with the abstract.	

Form PCT/ISA/210 (first sheet) (January 2004)

international Application No PCT/US2004/038667

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G0707/12 G118 G11B23/28 According to International Patent Classification (IPC) or to both national classification and IPC Minimum documentation searched (classification system followed by classification symbols) IPC 7 GOIN B41M G11B GO7D GO1K Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, INSPEC C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to daim No. X EP 0 608 078 A (PORTALS LIMITED) 1,2,7 27 July 1994 (1994-07-27) column 4, line 30 - line 42 column 5, line 44 - line 46 column 6, line 29 - line 47 Y 3-6,10column 7, line 38 - line 48 X US 2002/149003 A1 (LUCHT BRETT L ET AL) 8,9, 17 October 2002 (2002-10-17) 11 - 13cited in the application abstract 3,4,10, paragraphs '0021!, '0022!, '0026!, '0027! figure 2 X Further documents are listed in the continuation of box C. Patent family members are tisted in annex. Special categories of cited documents: 'T' later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the \*A\* document defining the general state of the art which is not considered to be of particular relevance Invention "E" earlier document but published on or after the international 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed '&' document member of the same patent family Date of the actual completion of the International search Date of mailing of the international search report 29 April 2005 02/06/2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 D'Alessandro, D

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International Application No PCT/US2004/038667

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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
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Form PCT/ISA/210 (patent family annex) (January 2004)

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